ORIGINAL

BOOK 5552

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE

SURVEY

OF

THE

NINTH STANDARD

PARALLEL NORTH,

(SOUTH BOUNDARY),

TOWNSHIP 37 NORTH, RANGE 21 EAST,

Of the Gila and Salt River Meridian,
In the State of Arizona

EXECUTED BY

Jones Curtiss, Cadastral Surveyor

Under Special Instructions dated and approved February 17, 1998, which provided for the surveys included under Group Number 822 and assignment instructions dated February 17, 1998.

Survey Commenced April 1, 1998
Survey Completed April 27, 1998

INDEX DIAGRAM

TOWNSHIP 37 NORTH, RANGE 21 EAST,

GILA AND SALT RIVER MERIDIAN, ARIZONA

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T. 37 N., R. 21 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the survey of the Ninth Standard Parallel North, (south boundary), Township 37 North, Range 21 East, Gila and Salt River Meridian, Arizona.

The west boundary of the township was surveyed by Leonard R. Sandoval in 1997-98, concurrently under Group No. 802, Arizona.

The survey was executed in accordance with the specifications as set forth in the Manual of Instructions for the Survey of the Public Lands of the United States, 1973, and the Special Instructions dated February 17, 1998, for Group No. 822, Arizona.

The directions of all lines were determined, and distances measured, by the technique of differential positioning using Trimble Navigation 4400 Series Global Positioning System receivers utilizing the Real-Time Kinematic technique.

The geographic position of the southeast corner of the township was determined by the technique of differential positioning using the Ashtech M-series Geodetic Positioning System. First order U. S. Coast and Geodetic Survey triangulation stations "KAYENTA 1951" and "LOHALI 1951" were used as control stations. The geographic position is as follows:

Lat.: 36°33'48.833" N. Long.: 110°01'12.775" W. NAD83(1992)

The mean magnetic declination is 12 1/2° E.

Survey of the Ninth Standard Parallel North, (South Boundary),
T. 37 N., R. 21 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Beginning at the stan. cor. of Tps. 37 N., Rs. 20 and 21 E., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above ground, with brass cap mkd. SC T37N R20E R21E S31 S36 1997. Add the marks 1998 to the brass cap. East, on the S. bdy. of sec. 31. Over broken to rolling land.
13.10	Cane Wash, 80 ft. wide, 10 ft. deep, drains SSE.
40.00	Point for the stan. 1/4 sec. cor. of sec. 31. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. SC T37N R21E 1/4 S31 1998 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
43.60	Navajo Route 59A, a graded road, 25 ft. wide, bears SSE and NNW.
80.00	Point for the stan. cor. of secs. 31 and 32. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. SC T37N R21E S31 | S32 1998 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Land, broken to rolling. Soil, rocky and sandy clay. Timber, sparse piñon and juniper; undergrowth, scattered brush and native grasses.
	East, on the S. bdy. of sec. 32.

Survey of the Ninth Standard Parallel North, (South Boundary),
T. 37 N., R. 21 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Over rolling land.
30.00	Aasayii Wash, 100 ft. wide, 10 ft. deep, drains NNE.
38.00	Mesa Trail Wash, 30 ft. wide, 5 ft. deep, drains N. in curve to right.
40.00	Point for the stan. 1/4 sec. cor. of sec. 32.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd. SC T37N R21E 1/4 S32 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
	Cor. is located 1.20 chs. S. of Mesa Trail Wash, 30 ft. wide, 5 ft. deep, drains ESE.
80.00	Point for the stan. cor of secs. 32 and 33.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. SC T37N R21E S32 | S33 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
	Land, rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	East, on the S. bdy. of sec. 33.
	Over rolling land.
40.00	Point for the stan. 1/4 sec. cor. of sec. 33.

Survey of the Ninth Standard Parallel North, (South Boundary),
T. 37 N., R. 21 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. SC T37N R21E 1/4 S33 1998 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Cor. is located 60 lks. W. of a power line, bears SE and NW.
80.00	Point for the stan. cor. of secs. 33 and 34. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. SC T37N R21E S33 | S34 1998 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Land, rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	East, on the S. bdy. of sec. 34. Over rolling land.
32.46	Barbed wire fence, 4 strands, bears NNE and SSW.
40.00	Point for the stan. 1/4 sec. cor. of sec. 34. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. SC T37N R21E 1/4 S34 1998

Survey of the Ninth Standard Parallel North, (South Boundary),
T. 37 N., R. 21 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
52.55	W. right-of-way fence of Navajo Route 59, barbed wire, 5 strands, parallels highway.
54.06	Center of Navajo Route 59, asphalt pavement, 33 ft. wide, bears N. and S.
55.57	E. right-of-way fence of Navajo Route 59, barbed wire, 5 strands, parallels highway.
80.00	Point for the stan. cor. of secs. 34 and 35. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. SC T37N R21E S34 | S35 1998 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Land, rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	East, on the S. bdy. of sec. 35. Over gently rolling land.
19.40	Chilchinbito Wash, 10 ft. wide, 4 ft. deep, drains NNW.
40.00	Point for the stan. 1/4 sec. cor. of sec. 35. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. SC T37N R21E 1/4 S35 1998 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.

Survey of the Ninth Standard Parallel North, (South Boundary),
T. 37 N., R. 21 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Thence over rolling land.
80.00	Point for the stan. cor. of secs. 35 and 36.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	SC T37N R21E S35 | S36 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
	Land, gently rolling to rolling. Soil, sandy and rocky clay. No timber; scattered brush and native grasses.
	East, on the S. bdy. of sec. 36.
	Over rolling land.
31.17	Barbed wire fence, 5 strands, bears NNE and SSW.
40.00	Point for the stan. 1/4 sec. cor. of sec. 36.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	SC T37N R21E 1/4 S36 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
	Cor. is located 2.04 chs. W. of a barbed wire fence, 4 strands, bears SSE and NNW; and 2.90 chs. W. of Long Flat Wash, 35 ft. wide, 4 ft. deep, drains NE.
76.75	Navajo Route 6510, a graded road, 30 ft. wide, bears NNE and SSW.
80.00	Point for the stan. cor. of Tps. 37 N., Rs. 21 and 22 E.

Survey of the Ninth Standard Parallel North, (South Boundary),
T. 37 N., R. 21 E., Gila and Salt River Meridian, Arizona

CHAINS

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

SC
T37N
R21E | R22E
S36 | S31
1998

Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.

Land, rolling.
Soil, sandy clay.
No timber; scattered brush and native grasses.

GENERAL DESCRIPTION

The area surveyed is within the Navajo Indian Reservation, approximately 2 miles north of the community of Chilchinbito, Arizona. The terrain is gently rolling and rolling land. The main drainages are Aasayii Wash, Mesa Trail Wash, and Chilchinbito Wash. Drainage is northerly.

The elevation varies from 5,600 to 5,900 feet above sea level. The soil is mostly sandy clay. The vegetation principally consists of scattered brush and native grasses with sparse piñon and juniper in the western portion.

Principal access to the township is provided by Navajo Route 59, which crosses the S. bdy. of sec. 34. Most of the area around the south boundary is used for grazing of livestock. There is no evidence of current mining activity.

The mean magnetic declination of 12 1/2° E. was derived from the United States Geological Survey computer program GEOMAGIX utilizing the Regional Magnetic Field Model for Epoch 1995 for the dates of survey.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Daniel Bryan	Engineering Technician
Wilfred Chee	Engineering Technician
Edward Clarke	Engineering Technician
Reuben Mason	Engineering Technician
Barney Woodie	Engineering Technician

CERTIFICATE OF SURVEY

I, Jones Curtiss, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 17th day of February 1998, I have surveyed the Ninth Standard Parallel North, (south boundary), Township 37 North, Range 21 East, of the Gila and Salt River Meridian, in the state of Arizona, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said Special Instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, 1973, and in specific manner described in the foregoing field notes.

February 9, 1999 (Date)

Jones Curtiss (Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Arizona State Office
Phoenix, Arizona

The foregoing field notes of the survey of the Ninth Standard Parallel North, (south boundary), Township 37 North, Range 21 East, Gila and Salt River Meridian, Arizona, executed by Jones Curtiss, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

April 5, 1999 (Date)

Kenny D Ravnikar (Chief Cadastral Surveyor of Arizona)

~~CERTIFICATE OF TRANSCRIPT~~

I CERTIFY that the ~~foregoing~~ transcript of the field notes of the above-described surveys in T. 37 N., R. 21 E., ~~Gila~~ and Salt River Meridian, Arizona, is a true copy of the original field notes.

~~(Date)~~ ~~(Chief Cadastral Surveyor of Arizona)~~